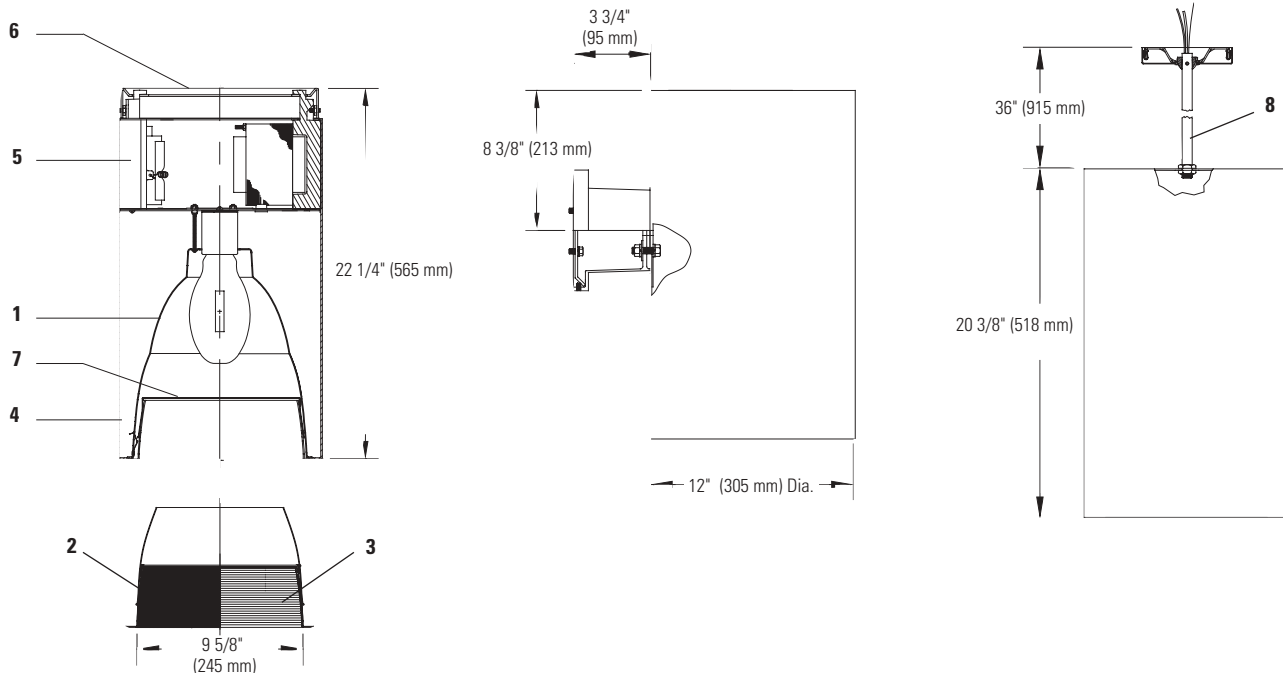


Calculite® H.I.D. Surface Cylinder C12



Complete fixture consists of Reflector Trim & Frame-In Kit. Select each separately.

Reflector Trim		Frame-In Kit	Lamp
C12 CL	Specular Clear Alzak	CS12B 17HG	175W E28/BT28 (Coated) Enclosed Metal Halide
C12 BK	Specular Black Alzak	CS12B 25HG	250W E28/BT28 (Coated) Enclosed Metal Halide
C12 MG	Black Multi-Groove		

Features

- Reflector:** Specular clear Alzak® aluminum, 16 ga. provides wide beam distribution.
- Aperture Cone:** Specular Alzak® aluminum (with U.V. resistant, non fading finish), 16 ga. 55° visual cut-off to lamp and lamp image. Removable from reflector.
- Multi-Groove Baffle:** One piece seamless aluminum. Sharply detailed concentric rings, black finish. Removable from reflector.
- Cylinder:** Seamless 0.093" aluminum, white baked enamel finish.
- Ballast-Heat Sink Assembly:** Core and coil ballast attached with screws to aluminum sand-cast heat sink. Heat sink welded to cylinder.
- Mounting Canopy:** 16 ga. hydroformed steel cover. Black baked enamel finish.
- Lamp Guard:** High heat resistant glass (as required by lamp manufacturer).
- Stem Kit:** 1/2" O.D. stem with 38° swivel.

Electrical

Ballast: Dual tap 120/277V, thermally protected, lead peaked constant wattage autotransformer type, H.P.F.Mogual base porcelain socket with nickel plated screw shell. Outlet box mount requires 90° C supply wire.

Ballast	ANSI Code	Voltage	Max. Amps	Input Watts
175W MH	M57	120/277	1.80/0.80	210
250W MH	M58	120/277	2.50/1.12	293

Options and Accessories

- Pendant:** Change second alpha in cylinder body from S to P
- Wall Bracket:** Change second alpha in cylinder body from S to W
- Supplemental:** Add suffix S to cylinder body. See Spec. Sheet "S"

Labels

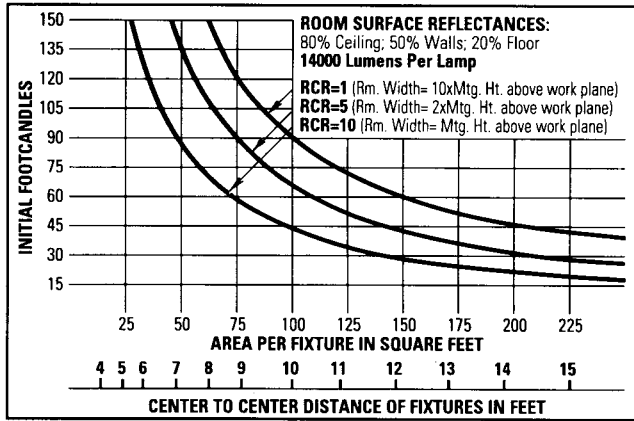
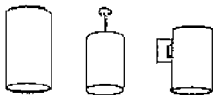
UL (Suitable for Damp Locations, CSA, suitable for 40° ambient temperature), I.B.E.W.

Alzak® is a registered trademark of ALCOA.

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

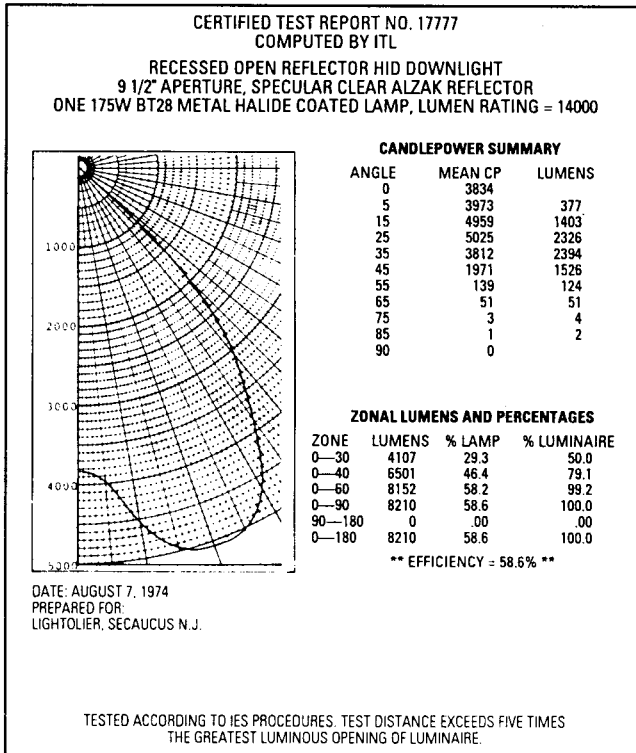
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This quick calculator chart determines the number and spacing of 175 Watt BT28 Metal Halide units (Clear) for any level of illumination. Lighting Conversion Factors: 175 Watt BT28: Gold, F.C. x 0.95; Black, F.C. x 0.75; Multi-Groove, F.C. x 0.75. 250 Watt BT28: Clear, F.C. x 1.45; Gold, F.C. x 1.4; Black, F.C. x 1.1; Multi-Groove, F.C. x 1.1.

SPACING RATIO = 1.45



COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY REFLECTANCE

ROOM CAVITY RATIO	% EFFECTIVE CEILING CAVITY REFLECTANCE															
	80			70			50			30			10			0
	% WALL REFLECTANCE												0			
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
1	.65	.63	.62	.63	.62	.61	.61	.60	.59	.59	.58	.57	.57	.56	.55	.54
2	.60	.57	.55	.59	.56	.54	.57	.55	.53	.55	.53	.52	.53	.52	.51	.50
3	.55	.52	.49	.54	.51	.49	.53	.50	.48	.51	.49	.47	.50	.48	.47	.46
4	.51	.47	.45	.50	.47	.44	.49	.46	.44	.48	.45	.43	.47	.44	.43	.42
5	.47	.43	.40	.46	.43	.40	.45	.42	.40	.44	.41	.39	.43	.41	.39	.38
6	.43	.39	.37	.43	.39	.36	.42	.39	.36	.41	.38	.36	.40	.38	.36	.35
7	.40	.36	.33	.39	.36	.33	.39	.35	.33	.38	.35	.33	.37	.34	.32	.31
8	.36	.32	.29	.36	.32	.29	.35	.32	.29	.35	.31	.29	.34	.31	.29	.28
9	.33	.29	.26	.33	.29	.26	.32	.28	.26	.31	.28	.26	.31	.28	.26	.25
10	.30	.26	.23	.30	.26	.23	.29	.26	.23	.29	.25	.23	.28	.25	.23	.22

20% FLOOR CAVITY REFLECTANCE

Conversion Factors: 175 and 250W BT28 Metal Halide: Clear, C.U. x 1.0; Gold, C.U. x 0.95; Black, C.U. x 0.75; Multi-Groove, C.U. x 0.75.

Job Information **Type:**

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